

Amendments to Claims

What is claimed is:

Claims 1-18 (Cancelled).

Claim 19. (Currently Amended) A sensing element capable of sensing more than one wavelength of light comprising a sensor having

a. a first electrode;

b. a layer of a ~~photoactive-organic~~ conjugated semiconducting polymer material disposed on the first electrode; and

c. a transparent second electrode disposed on the layer of ~~photoactive-organic~~ conjugated semiconducting polymer material, said first electrode, layer of first ~~photoactive-organic~~ conjugated semiconducting polymer material and said second electrode making up a sensor capable of generating an electrical signal when a beam of light having several wavelengths is incident upon said second electrode; and

means for discriminating among the several wavelengths in said beam of light such that only a portion of the several wavelengths is incident upon the second electrode at one time.

20. (Original) The sensing element of claim 19 wherein the means for discriminating is a filter.

21. (Original) The sensing element of claim 19 wherein the means for discriminating is a plurality of filters.

22. (Original) The sensing element of claim 19 wherein the means for discriminating is a variable color filter.

23. (Original) The sensing element of claim 19 wherein the variable color filter is a liquid crystal filter comprised of a first filter electrode and a second filter electrode bounding a liquid crystal layer with means for applying a bias voltage across the first filter electrode and the second filter electrode, said bias voltage varying the wavelength of light passing through said variable color filter.

24. (Original) The sensing element of claim 19 wherein the means for discriminating comprises an etalon.

25. (Original) The sensing element of claim 19 wherein the means for discriminating comprises a plurality of etalons which transmit at different wavelengths.

26. (Original) The sensing element of claim 19 wherein the means for discriminating comprises a diffraction device for separating the beam of light into its separate wavelengths with the sensor sensing a portion of the separated wavelengths.

27. (Original) The sensing element of claim 26 wherein the diffraction device comprises a prism.

28. (Original) The sensing element of claim 26 wherein the diffraction device comprises a grating.

29. (Original) The sensing element of claim 26 comprising a plurality of image sensors with a common means for discriminating with individual sensors sensing individual wavelengths.

Claims 30-39 (Cancelled)